

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

INDUSTRIAL SERVICES HYGIENIST

POSITION CODE: 21127
Effective: 7-16-89

DISTINGUISHING FEATURES OF WORK:

Under general direction, performs complex technical hygiene consultations and inspections in a variety of small business establishments, industrial or construction sites for compliance with the Federal Occupational Safety and Health Act (OSHA) Standards, ACGIH, and NIOSH recommendations, legislation and regulations; develops and provides training for employers and employees as identified during the consultation process. Industrial hygiene is the profession within the broad field of occupational health and safety which is concerned with the recognition, evaluation, and control of those environmental conditions or stresses arising in or from the work place which may cause sickness, impaired health, significant discomfort, or inefficiency.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Visits work sites; holds opening conferences with employer and with the employee's representatives, when appropriate, to explain the purpose and scope of the investigation; provides detailed information concerning the legislation and regulations under which investigations are performed.
2. Reviews company safety records and safety programs; walks through the work site observing work operations and practices, noting hazardous conditions or unsafe work practices and take samples or measurements as required; uses technical experience to define hazards which are not obvious.
3. Collects personal, area or wipe samples and measurements to obtain data; uses a variety of sampling and measuring devices such as sound level meters, audiodosimeters, air sampling pumps, mercury and vapor meters, microwave detector, infrared analyzer, combustible gas and oxygen meter, carbon monoxide meter, etc.
4. Effectively calibrates noise measurement, air sampling and other technical equipment; submits samples to the approved laboratory for chemical analysis to evaluate employee exposures; analyzes, interprets and completes calculations on sample results to determine whether or not a hazard exists; develops appropriate engineering/administrative controls for the identified hazards.
5. Prepares case files for review and submits a technical report to the business establishment surveyed to communicate findings and recommendations.
6. Provides on-the-job training of Industrial Services Hygienist Trainees and Technicians; provides input and technical information for all consultants at staff meetings.
7. Develops and provides on-site training for employers and employees as identified during the consultation process.

INDUSTRIAL SERVICES HYGIENIST (Continued)

8. Attends and participates in staff meetings, conferences, workshops, and institutes and other activities which will provide meaningful learning experiences relating to the development engineering and/or administrative control of health hazards.
9. Performs other duties as required or assigned which are reasonably within the scope of the duties enumerated above.

DESIRABLE REQUIREMENTS:

Education and Experience

Requires a bachelor's degree with coursework in industrial hygiene, engineering, physical sciences (physics, chemistry, biological, etc.), environmental or public health, or occupational safety and health.

Requires three years of professional experience in the industrial hygiene, engineering, or environmental/public health field.

Knowledges, Skills and Abilities

Requires extensive knowledge of the Federal Occupational Safety and Health Act (OSHA) laws, standards and regulations and applicable state statutes, rules and regulations.

Requires extensive knowledge of consensus health standards (ACGIH and NIOSH).

Requires extensive knowledge of basic industrial hygiene engineering concepts, particularly in the area of ventilation and exhaust systems.

Requires extensive knowledge of common industrial occupational diseases, health hazards and toxic sources.

Requires working knowledge of chemical and biological analysis.

Requires working knowledge of bacteriology, radiology, physiology, and organic and inorganic chemistry to industrial hygiene application.

Requires ability to operate, maintain and use appropriately detection and measurement equipment.

Requires ability to interpret the provisions of the state and federal occupational safety and health laws and to effectively advise and assist employers with safety and health compliance.

Requires ability to communicate effectively orally and in writing.

Requires ability to advise employers of hazardous situations and to prepare, analyze and interpret technical reports.

Requires ability to analyze safety and health related data, study work practices and processes.

Requires ability to determine the degree of worker involvement and risk, and to determine the severity of the hazard.

Requires ability to develop and provide training to employers and employees.

Requires ability to establish and maintain satisfactory working relationships with industrial management, government officials, union representatives, and factory personnel.